

Product: LD 5G/LTE

Product Order Code:

BM-02070

Compact High Efficiency Water-Chamber/Body Mounted Antenna

5G, LTE-4G, CELLULAR (2G)

- Rugged wideband body mounted antenna
- RoHS 2011/65/EU & RoHS3 (2015/863/EU compliant)
- Request samples for test & evaluation via enquiry@bloomice.com



Technical Data

Dimensions	122mm (Overall Height) x 57mm Diameter (Base)	
Weight	112g (Excluding cable)	
Construction Materials	PC/ABS UL94 V0 UV Stable	
Mounting Arrangement	ABS Enclosure / ZAMAK Base Ground Plane Independent	
Temperature Range	-40°C to +85°C	
Protection Class	IP67 / IK09 (IEC 60529)	
Cellular 5G-NR / LTE / 2G / 3G		
Frequency Range	LTE 700 + GSM 900 + 5G-NR: GSM 1800: UMTS: LTE (High): 5G-NR:	700 - 960 MHz 1710 - 1880 MHz 1920 - 2170 MHz 2300 - 2655 MHz 3300 - 4000 MHz
Impedance	50 Ohm	
Polarisation	Linear	
Radiation Pattern	Omni-Directional	
Max Power @ 30°C	LTE 700 + GSM 900 + 5G-NR: GSM 1800: UMTS: LTE (High): 5G-NR:	35 Watts @ 790-960 MHz 35 Watts @ 1710-1880 MHz 35 Watts @ 1920-2170 MHz 35 Watts @ 2300-2700 MHz 35 Watts @ 3300-4000 MHz
Return loss (VSWR)	≤ 2.3:1 (All Featured Bands)	
Cable types Available	LL195 50 Ohm Low Loss	
Cable Length	According to customer specification	
Connector	According to customer specification	
Test & Measurement Conditions	Free Space / 500mm LL195 Cable	

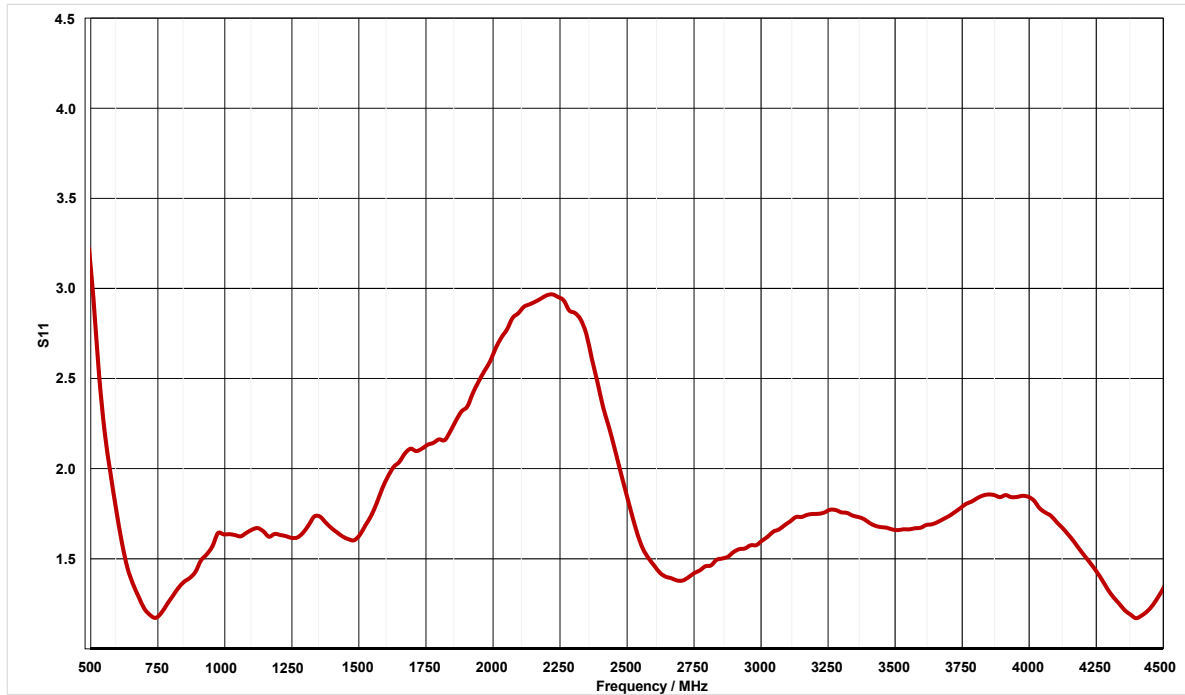
dBi: Referenced to an isotropic radiator

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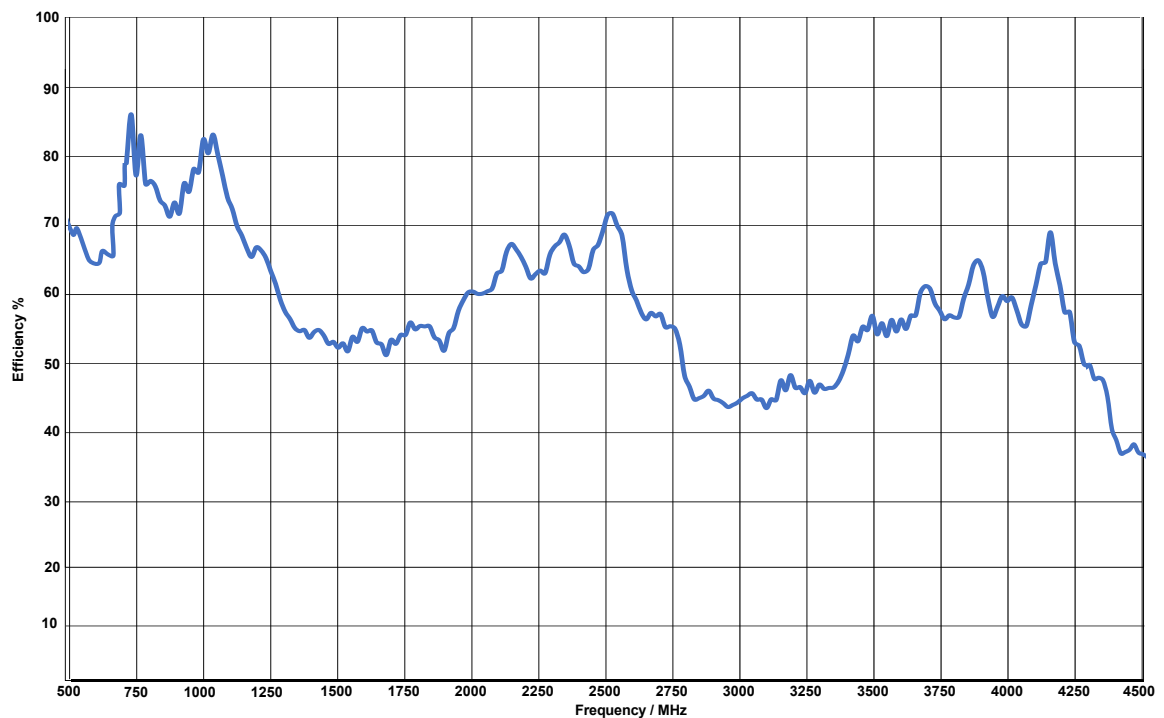
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Typical VSWR Data (LTE)



Radiated Efficiency (LTE)

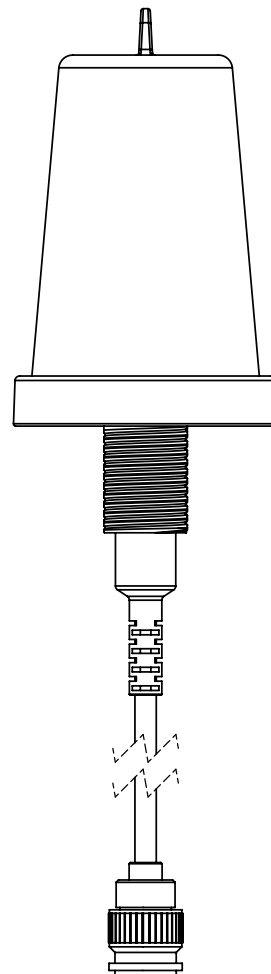
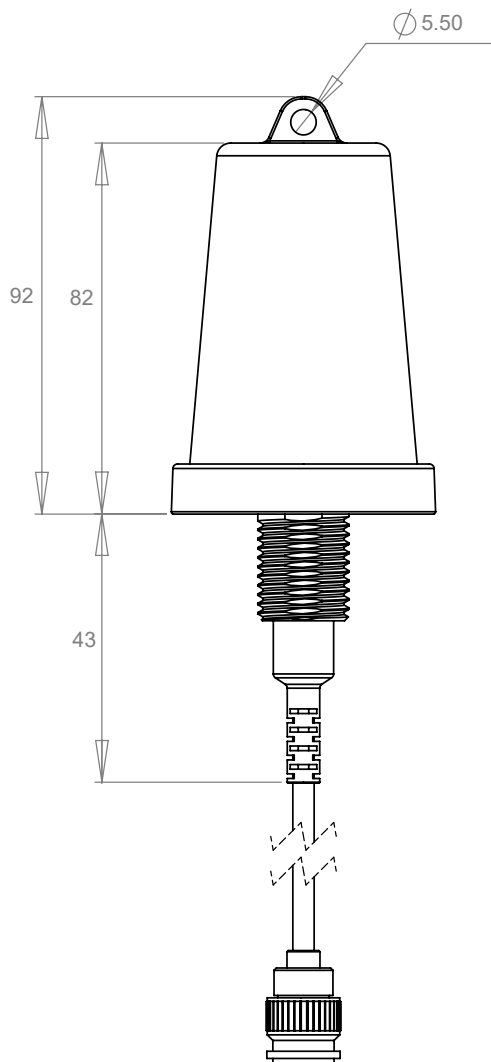
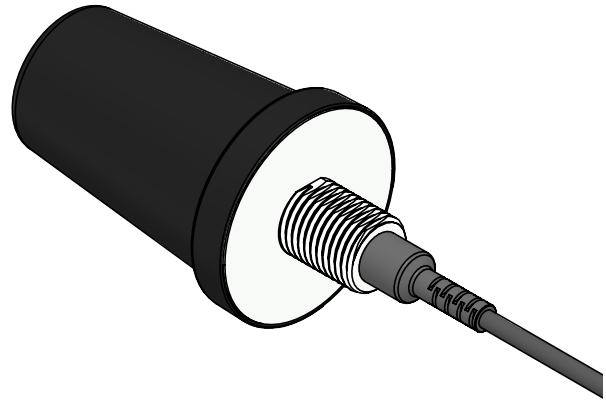
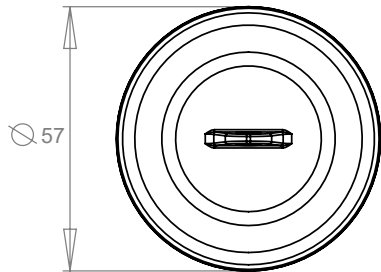


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CAD Data



1. Connector type to customer specification
2. Cable type is LL195. Length according to customer specification.
3. Dimensions in millimetres